

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-011816**Date Inspected:** 04-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li Yang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Segment**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, M. Manikandan was present during the time noted above for observations relative to the work being performed.

OBG # TRIAL ASSEMBLY YARD (Lift 6)

During the Quality Assurance (QA) random in-process visual inspection of OBG Lift 6 in the OBG Trial Assembly area, this QA inspector discovered the web plates exceeded the "flatness of panels" requirement at following panel points:

OBG Segment 6AW:

PP 38 Counterweight side.

-The FL1 floor beam FB11B

-6.5mm over 1000mm

PP 40 Crossbeam side.

-The FL3 floor beam FB33A

-14mm over 1000mm

OBG Segment 6BW:

PP 42 Crossbeam side.

-The FL1 floor beam FB15A

-6.5mm over 1000mm

PP 42 Counterweight side.

-The FL1 floor beam FB9B

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- 8mm over 1000mm
- PP 43 Crossbeam side.
- The FL1 floor beam FB15A
- 7mm over 1000mm
- PP 43 Counterweight side.
- The FL1 floor beam FB9A
- 7mm over 1000mm at
- OBG Segment 6CW:
- PP 44 Crossbeam side.
- The FL3 floor beam FB35A
- 13mm over 1000mm
- PP 45 Crossbeam side.
- The FL3 floor beam FB31A
- 10mm over 1000mm
- PP 46 Crossbeam side.
- The FL3 floor beam FB27A
- 7mm over 1000mm
- All the measurements were taken below the upper flange plate.
- The maximum out of tolerance allowed per AASHTO 11.4.13.2 is 5mm.

Reports forwarded to team leader for further action.

For further information, please see the attached pictures below.

OBG # TRIAL ASSEMBLY YARD (6AW)

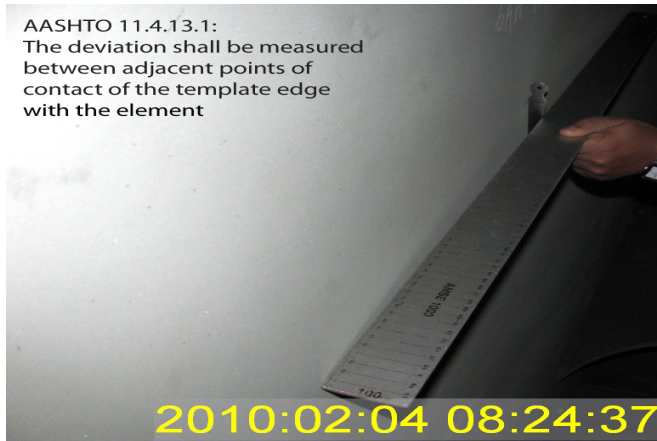
This QA inspector performed dimensional survey on T-Rib for below segments. Reports forwarded to team leader for further action

7BE-7CE

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

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Summary of Conversations:

The incident report is issued for the above mentioned discrepancy observed in Lift 6 W. And prior to issue it was informed to ZPMC QC and ABF QA.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

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| Inspected By: | Manikandan,Murugan | Quality Assurance Inspector |
| Reviewed By: | Miller,Mark | QA Reviewer |
